

MALYAROV, G.A.; STEPANOV, L.P.

Effect of air diluted in water on its viscosity. Trudy VNIIM
no.37:141-143 '59. (MIRA 13:4)
(Water) (Viscosity)

MALYAROV, G.A.

Determining the viscosity of water at 20° C. Trudy VNIIM
no.37:125-140 '59. (MIRA 13:4)
(Viscosimetry)

MALYAROV, G.A.

Selection and calibration of capillaries for absolute viscosi-
meters. Trudy VNIIM no.37:112-124 '59. (MIRA 13:4)
(Viscosimeter)

MALYAROV, G. A.

Malyarov, G. A. -- "Determination of the Viscosity of Water at 20° C."
Commission of Standards, Measures, and Measuring Instruments Attached
to the Council of Ministers USSR, All-Union Sci Res Inst of Meteor-
ology imeni D. I. Mendeleyev, Leningrad, 1955 (Dissertation for the Degree
of Candidate in Technical Sciences) *Meteorology*

SO: Knizhnaya Letopis', No. 23, Moscow, Jun 55, pp 87-104

MALYAROV, G. A.

1964

DECEASED

c. '64

Mechanization and Automation (Cont.)

SOV/5452

The development of new machines, instruments, and production methods is considered and attention is given to newly established enterprises, and to the introduction of telemechanics in the Khar'kov gas-system management. By including concrete examples and facts, the authors of the various articles attempt to demonstrate the achievements of the Khar'kov industrial complex in fulfilling the resolutions of the June (1959) and July (1960) Plenums of the Central Committee of the Communist Party of the Soviet Union. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Titov, V.N. [First Secretary of the Khar'kov Oblast Committee of the Communist Party of the Ukraine]. Increasing the Tempo of Technological Progress by All Possible Means	3
Malyarov, F.M. [Chief Engineer at the zavod imeni Malysheva--Plant imeni Malyshev], and A.I. Isayev [Chief Process Engineer of the plant]. The Mechanization and Automation of Manufacturing Processes	22
Karas', L.M. [Chief Process Engineer of the "Serp i Molot" Plant]. Automatic [Production] Lines	42

Card 2/8

PHASE I BOOK EXPLOITATION

SOV/5452

Donskoy, Ya. Ye., G.I. Kardash, and I.P. Lyalyuk, eds.

Mekhanizatsiya i avtomatizatsiya; sbornik statey ob opyte vnedreniya mekhanizatsii i avtomatizatsii na khar'kovskikh mashinostroitel'nykh zavodakh (Mechanization and Automation; Collection of Articles on the Introduction of Mechanization and Automation in Khar'kov Machinery-Manufacturing Plants) [Khar'kov] Khar'kovskoye knizhnoye izd-vo, 1960. 373 p. 3,900 copies printed.

Editorial Board: S.A. Vorob'yev, Candidate of Technical Sciences; Chairman of the Editorial Board: P.I. Zmaga, Engineer; A.A. Kablov, Engineer, V.I. Kuzubov, Engineer, A. Ye. Leonov, Docent, A.I. Tupitsyn, Candidate of Technical Sciences, and S.M. Khmara, Candidate of Technical Sciences; Eds.: Ya. Ye. Donskoy, G.I. Kardash, and I.P. Lyalyuk; Tech. Ed.: M.I. Limanova.

PURPOSE: This collection of articles is intended for technical and scientific personnel, outstanding workers, and shock workers of communist labor.

COVERAGE: The multifaceted experience of Khar'kov enterprises in the mechanization, automation, and improvement of manufacturing processes is generalized.

Card 1/8

SIMSON, A.E.; SINENKO, N.P.; MALYAROV, F.M.; STRUNGE, B.N.; SUKHOMLINOV, R.M.; GRINSBERG, F.G.; PIRIN, I.V., kand.tekhn.nauk, retsenzent; BASENTSYAN, A.A., inzh., red.; UVAROVA, A.F., tekhn.red.; GORDEYEVA, L.P., tekhn.red.

[Testing D 100-type locomotive and marine diesel engines] Ispytaniia teplovoznnykh i sudovykh dizelei tips D100. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroitel'noy, 1960. 263 p.
(MIRA 13:12)

(Marine diesel engines--Testing)
(Diesel locomotives--Testing)

MALYAROV, B. M.

"Investigating the Feasibility of Using Lignite Coal of the Dneper Basin for Semicoking, Gasification, and the Extraction of Moton Wax." Cand Tech Sci, Dnepropetrovsk Chemicotechnological Inst, Dnepropetrovsk, 1954. (RZhKhim, No 22, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

MALYAROV, B.; KUZIN, M.

Let us determine the very best kinds of mechanization of inter-
farm swine-fattening farms. Sil'. bud. 11 no. 9:15-16 S '61.
(MIRA 14:11)

1. Direktor Odes'kogo kilialu Ukrndiprosil'gospu (for Malyarov).
 2. Golovniy spetsialist Odes'kogo filialu Ukrndiprosil'gospu
(for Kuzin).
- (Swine houses and equipment)

MALYAROV, B., instruktor proizvodstvennogo obucheniya -- tokar'

Industrial training of turners. Prof.-tekh. obr. 18 no.9:30-31
S '61. (MIRA 14:11)

1. Instrumental'nyy tsekh No.1 Moskovskogo avtozavoda imeni
Likhacheva.

(Metalworkers--Education and training)

AMANBAYEV, D.A., inzh.; GRASHCHENKO, N.F., dotsent; MALYAREVSKIY,
V.M., kand. tekhn. nauk

Testing coal filters for removal of dust from the air entering
mines under conditions present in Dzhezkazgan. Izv. vys. ucheb.
zav.; gor. zhur. no.12:68-71 '61. (MIRA 16:7)

1. Karagandinskiy politekhnicheskiy institut. Rekomendovana
kafedroy rudnichnoy ventilyatsii i tekhniki bezopasnosti.
(Dzhezkazgan District--Mine dusts)
(Filters and filtration)

MALYAREVSKIY, V.M., gornyy inzhener

Selecting methods for the control of gas emission in mining
thick flat seams by the inclined slicing system. Ugol' 34
no.10:25-29 0 '59. (MIRA 13:2)
(Mine gases) (Mining engineering)

MALYAREVSKIY, V. M. Cand Tech Sci -- (diss) "Ventilation of mines in ^{the} slice mining of thick, highly-gassy coal ^{beds} deposits of ~~complex~~ structure, according to the example of the ^{operation} of the" "Verkhnyaya-Maianna" ^{deposit} of the Karaganda basin." Mos, 1959. 14 pp with graphs; 1 sheet of tables (Min of Higher and Secondary Specialized Education USSR. Mos Mining Inst im I. V. Stalin), 120 copies (KL, 43-59, 124)

ACC NR: AP7001534

signal-to-noise ratio at the output of a linear filter. The optimal form $|M_o(\omega)|$ is given by: $\rho^2 |M_o(\omega)|^2 = N(\omega) \left[\frac{1}{\sqrt{a N(\omega)}} - 1 \right]$. Several particular cases of this formula are investigated. The complex transfer ratio of the optimal filter, with the optimal modulation method, is given by: $K_o(\omega) = \frac{c \sqrt{a}}{\rho \beta^2(\omega) |O(\omega)|} \sqrt{\frac{\beta(\omega) |O(\omega)|}{\sqrt{a N(\omega)}} - 1} e^{-[i\omega t + \mu_o(\omega)]}$.

This formula shows that the shape of the optimal-filter frequency characteristic is independent of the ratio of intensities of fluctuation and reverberation noise. The latter two formulas can also describe the optimal system (intended for detection of exactly known signal) from the likelihood-criterion viewpoint if the noise obeys the normal-distribution law. Orig. art. has: 31 formulas.

SUB CODE: 17 / SUBM DATE: 28Dec64 / ORIG REF: 004 / OTH REF: 001

ACC NR: AP7001534

SOURCE CODE: UR/0108/66/021/012/035/0040

AUTHOR: Malyarevskiy, N. M. (Active member of society)

ORG: Scientific and Technical Society of Radio Engineering and Electro-communication im. A. S. Popov (Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi)

TITLE: Determining optimal parameters of the entire detection system that uses frequency selection of echo signals

SOURCE: Radiotekhnika, v. 21, no. 12, 1966, 35-40

TOPIC TAGS: signal detection, radar detection

ABSTRACT: That form of emitted-signal spectrum is sought which would

maximize the functional $\rho_0 = \frac{1}{\pi} \int_0^{\infty} \frac{|G(\omega)|^2}{S_n(\omega)} d\omega$, when a signal energy $E = \frac{1}{\pi} \int_0^{\infty} |M(\omega)|^2 d\omega$

is specified; the signal is detected from a noise-and-random-echo background that has energy spectra $N(\omega)$ and $\Phi_n(\omega)$, respectively; $M(\omega)$ - emitted signal; ρ -

Card 1/2

UDC: 621.391.16

L 07182-67 EWT(1)

ACC NR: AP6013264

SOURCE CODE: UR/0413/66/000/008/0053/0053

AUTHORS: Malyarevskiy, N. M.; Ivanov, V. A.

29
B

ORG: none

TITLE: Rejection filter. Class 21, No. 180716

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 53

TOPIC TAGS: filter circuit, electric filter

ABSTRACT: This Author Certificate presents a rejection filter in the form of a bridge circuit, two branches of which consist of frequency-independent impedances, and the other two branches of reactive impedances. To increase the selectivity of the filter and to increase the uniformity of the frequency characteristics in the transmission band, a phase shifter is used as the reactive impedance in one of the branches. A tank circuit of a band-pass filter is used as the reactive impedance of the second branch. A voltage divider forming the frequency-independent impedances of the filter and a second tank circuit of a band-pass filter are connected to a summator.

SUB CODE: 09/ SUBM DATE: 22Apr64

Card 1/1 *eqh*

UDC: 621.372.543.3

L 10949-65 EED-2/EEO-2/EWT(1)/EEO(t) P1-L/PJ-L/PK-L/PL-L/Pn-L/Pn-L/Pac-L WR

ACCESSION NR: AP5006595

S/0142/64/007/006/0742/0743

44
B

AUTHOR: Krakovskiy-Sinevich, K. B.; Malyarevskiy, N. M.

TITLE: Detection of signals reflected by moving targets

SOURCE: IVUZ, Radiotekhnika, v. 7, no. 6, 1964, 742-743

TOPIC TAGS: signal detection, signal reflection, moving target

ABSTRACT: This is an addition to earlier published authors' articles. It is shown that, at variance with the detection of signals reflected by a fixed body, the noise immunity of a coherent detector system increases with the duration of emitted signals only to a certain limit which depends on $\Delta\alpha$ and signal

parameters: $\Delta\alpha = \frac{\Delta\omega}{C}$ is the error in the time scale of the coherent-detector reference voltage with respect to the time scale of the received signal. Further increase in pulse duration will, at best, leave the noise immunity unchanged. Orig. art. has: 2 formulas.

ASSOCIATION: none

SUBMITTED: 16 Mar 63

ENCL: 00

SUB CODE: EC, DC

NO REF SOV: 004

OTHER: 000

Card 1/1

of reference-voltage time scale and ω_0 is the frequency of emitted signal.
 (2) With both above types of noise, the expedient pulse duration T will be equal to the optimal integration time T_0 ; (3) With slow-moving chaff and $\delta \propto \omega_0$, $T < 0.5$, the optimal integration time will be approximately equal to T ; (4) With noise caused by slow-moving chaff, the signal-to-noise ratio increases as T decreases (with $T_0 = T$); (5) It is expedient to provide for cutting down the pulse duration T (and $T_0 = T$) from its maximum value $T_{max} = (1-1.2)/\delta \propto \omega_0$. Orig. art. has: 3 figures and 19 formulas.

ASSOCIATION: none

SUBMITTED: 07 Mar 62

ENCL: 00

SUB CODE: EC, D0

NO REF 50V: 002

OTHER: 000

Card 2/2 p.c.

L 10919-65 RED-2/E30-2/EWI(1)/EEG(t) P1-4/PJ-4/PK-4/P1-4/Pn-4/Pn-4/Pac-4 WR

of fluctuation noise was considered. The present article considers the optimal duration of single pulses and the optimal integration time in the presence of noise caused by chaotic reflections. The bulk density of chaff is assumed to be constant. The signal-to-noise ratio at the coherent-detector output is used as a criterion of noise immunity. These conclusions are offered: (1) The optimal time of integration, with noise caused by both the chaotic reflection from fast-

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L 40954-65

ACCESSION NR: AP5006589

moving chaff and the fluctuations, is largely determined by the characteristics of the useful signal and is given by: $T_s \approx \frac{1}{\delta \omega_s}$, where $\delta \alpha$ is the error in the setting of reference-voltage time scale and ω_s is the frequency of emitted signal;

(2) With both above types of noise, the expedient pulse duration T will be equal to the optimal integration time T_s ; (3) With slow-moving chaff and $\delta \alpha \omega_s$, $T < 0.5$,

Cord 2/2

1 10954-65 EEO-1/EEO-2/EWA(h)/EWT(1) FI-4/Pb-1/Psb JM
ACCESSION NR: AP5006589 S/0142/64/007/006/0690/0696
AUTHOR: Malyarevskiy, N. M.; Krukovskiy-Sinevich, K. G.; Lasebnyy, V. S.

TITLE: Noise immunity of a correlation system in the presence of noise caused by chaotic reflections 39

SOURCE: IVUZ. Radiotekhnika, v. 7, no. 6, 1964, 690-696

TOPIC TAGS: noise immunity, target detection, correlation system

ABSTRACT: This is a further development of an earlier authors' work (Radiotekhnika, 1962, v. 5, no. 4, 523) on the detection of pulse signals reflected from moving targets; a coherent method of reception was used and the presence of fluctuation noise was considered. The present article considers the optimal duration of single pulses and the optimal integration time in the presence of noise. The bulk density of chaff is assumed to be

SOURCE: IVUZ. Radiotekhnika, v. 7, no. 5, 1964, 628-630

TOPIC TAGS: FM radar, FM ranging

ABSTRACT: The effect of nonlinearity on signal detection in the presence of smooth fluctuation noise in the receiver is mathematically explored.

Instantaneous frequency in a linear FM ranging system is given by:

$\omega_{\text{inst}}(t) = \omega_0 + 2\pi f + 2\pi f^2 + \dots$ where the quadratic term represents nonlinearity. The pulse duration is assumed to be essentially greater than the signal duration and exceeding the maximum echo delay. It is proven that the nonlinearity of the instantaneous-frequency variation causes an FM of the difference-frequency signal. This undesirable FM depends on the nonlinearity and echo delay. A

Core 1/2

L 25755-65
ACCESSION NR: AP5002043

formula is derived for the optimal filter passband which corresponds to the maximum amplitude of the envelope. Orig. ext. has 13 formulas

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900014-6

L 25733-65 EED-2/EOG-2/ENT(1)/EEC(t)/PSF(h) PL-4/PJ-4/PK-4/PL-4/PM-4/PN-4/PAC-4 NR
ACCESSION NR: AP5002043 S/0142/64/007/005/0628/0630

AUTHOR: Krakovskiy-Sinevich, K. B.; Malyarevskiy, N. M.

TITLE: Nonlinear frequency variation in an FM radar

SOURCE: IVUZ, Radiotekhnika, v. 7, no. 5, 1964, 628-630

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900014-6

KRUKOVSKIY-SINEVICH, K.V.; MALYAREVSKIY, N.M.

Some special features of the detection of signals reflected from moving objects. Izv. vys. ucheb. zav.; radiotekh. 5 no.4:523-527 J1-Ag '62. (MIRA 16:6)

1. Rekomendovano kafedroy teoreticheskikh osnov radiotekhniki Kiyevskogo instituta Grazhdanskogo vozdushnogo flota.
(Radio) (Information theory)

The problem of the error of

S/142/62/005/002/005/019
E200/E382

$$\delta_A = K_1 \frac{W'(x_m)}{W(x_m)} \quad \delta_B = K_2 \frac{W''(x_m)}{W(x_m)}$$

Here, δ_A exceeds δ_B by an order of magnitude, i.e. to obtain the same precision case A requires $(N - 1)/P$ as many quantization steps as case B. In the case of a normal distribution the δ depends mainly upon the correlation coefficient R . The formulae, graphs and tables given make it possible to determine on the basis of the error of the instrument an efficient selection of the number and size of the quantization steps and to determine the requirements as regards the magnitude of the instrument error. There are 3 figures and 2 tables.

ASSOCIATION: Kafedra radiopriyemnykh ustroystv Kiyevskogo ordena Lenina politekhnicheskogo instituta
(Department of Radio-receiving Equipment of Kiyev Order of Lenin Polytechnical Institute)

SUBMITTED: October 14, 1960
Card 5/5

S/142/62/005/002/005/019

E200/E382

The problem of the error of

$$\delta_A = \sum_{k=1}^{\infty} \sum_{m=0}^k \frac{C_k^m}{k! (m+1)(k-m+1)} \left[\frac{1}{W_1(x_1, y)} \cdot \frac{\partial^k W_1(x_1, y)}{\partial x^{k-m} \partial y^m} \right]_{\text{при}} \begin{cases} x = \frac{P_u}{N-1} l_u \\ y = \frac{P_v}{M-1} l_v \end{cases} \quad (10a)$$

$$\delta_B = \sum_{l=1}^{\infty} \sum_{n=0}^l \frac{C_{2l}^{2n} \left(\frac{P_u}{N-1} \right)^{2l-2n} \cdot \left(\frac{P_v}{M-1} \right)^{2n}}{2^{2l} (2l)! (2n+1)(2l-2n+1)!} \cdot \left[\frac{1}{W_1(x_1, y)} \times \right. \\ \left. \times \frac{\partial^{2l} W_1(x_1, y)}{\partial x^{2l-2n} \partial y^{2n}} \right]_{\text{при}} \begin{cases} x = \frac{P_u}{N-1} (l_u + 0,5) \\ y = \frac{P_v}{M-1} (l_v + 0,5) \end{cases} \quad (10b)$$

When $P/(N-1) \rightarrow 1$, the maximum δ is measured by:

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S/142/62/005/002/005/019

The problem of the error of E200/E382

$$\delta_A = \sum_{k=1}^{\infty} \frac{1}{(k+1)!} \cdot \left[\frac{1}{W_1(x)} \cdot \frac{d^k}{dx^k} W_1(x) \right]_{\text{при } x = \frac{P}{N-1} \cdot l} \cdot \left(\frac{P}{N-1} \right)^k \quad (5a)$$

$$\delta_B = \sum_{l=1}^{\infty} \frac{1}{2^{2l} (2l+1)!} \left[\frac{1}{W_1(x)} \cdot \frac{d^{2l}}{dx^{2l}} W_1(x) \right]_{\text{при } x = \frac{P}{N-1} (l+0.5)} \cdot \left(\frac{P}{N-1} \right)^{2l} \quad (5b)$$

where l is the dimensionless quantization level $0 \leq l \leq N-1$. Thus, in the most common cases, when $P/(N-1) \ll 1$, the quantization error at any point of the curve is, in case A, inversely proportional to N , and in case B, inversely proportional to N^2 . In the two-dimensional case,

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S/142/62/005/002/005/019
E200/E382

The problem of the error of

which denote the quantization step and the upper bound of the interval of interest, respectively, for each of the cases A and B. This measure, when taken together with the instrument error of the dwell-time meter, characterizes the quantization error. The analysis deals with the measurement of a one- and two-dimensional probability density of stationary ergodic processes. The results, however, may be easily generalized to n-dimensional case. Let $P = U_{\max}/\sigma$, where σ is the mean square value of the process, δ is the relative quantization error, N is the number of quantization levels, $W(U)$ is the probability-density function being measured. A straightforward analysis shows that for the one-dimensional case:

Card 2/5

6.9460

39702
S/142/62/005/002/005/019
E200/E382

AUTHOR: Malyarevskiy, N.M.

TITLE: The problem of the error of measurement in the probability-distribution curve of a random process

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,
Radiotekhnika, v. 5, no. 2, 1962, 189 - 199

TEXT: A method is proposed for determining the error of the method of measurement of a probability-distribution curve which is caused by the quantization of a random process. The results of the analysis are applied to the case of a normal distribution of a stochastic variable and may be used in the design of measuring equipment. Two cases are considered. In case A the measured values are referred to the bottom of the corresponding quantization step; in case B the values are referred to the middle of the corresponding quantization step. A measure is set up for the closeness between the distribution of the original process $W(U)$ and the quantized process $W_q(U)$ as a function of the selection of the quantities ΔU and $U_{\max}$

Card 1/5

SOV/142-E-1-4/22
The Influence of the Frequency Characteristic Shape on Fluctuation Averaging Processes

There are 1 block diagram, 1 graph and 6 Soviet references.

ASSOCIATION: Kafedra radiopriyemnykh ustroystv Kiyevskogo ordena Lenina politekhnicheskogo instituta (Chair of Radio Receiving Devices of the Kiev Lenin Order Polytechnical Institute)

SUBMITTED: May 23, 1958

Card 2/2

SOV 111-2-1-1/22

9(3)
AUTHOR: Malyarevskiy, N.M.

TITLE: The Influence of the Frequency Characteristic Shape on Fluctuation Averaging Processes (O vliyani formy chastotnoy kharakteristiki na protsessy usredneniya flyuktuatsiy)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - radiofizika, 1959, Vol 2, No 1, pp 31-37 (USSR)

ABSTRACT: The author investigates the influence of the frequency characteristic shape of a band filter at a square-law detector input on the quality of the post - detector averaging of the fluctuation voltage, applied to the filter input. He determines the optimum shape of the frequency response curve, providing a maximum ratio of the direct component to the RMS value of the fluctuation at the detector input. The results of this investigation are illustrated by examples. The author expresses his gratitude to Professor N.F. Vollerner for his valuable remarks during the compilation of this article.

Card 1/2

L 15807-66

ACC NR: AT5028740

It is shown that the correlational system is impractical in cases where the measuring equipment is blocked off by the terrain from the transmitter since the level of the reference signal falls below that of interference. In these cases, the selective channel system for measuring amplitude is still quite effective in suppression of interference since the interference level at the channel input usually does not exceed 2 μv and may be reduced to 0.5 μv under favorable weather conditions. A filter system with a linear detector at the output has the additional advantage of a smaller number of elements. The superiority of the direct registration method over the reference signal method is clearly illustrated by comparison of recordings made using both methods. Two years of operational tests with equipment using the direct measurement method have shown that it is preferable to the mutual correlation system. Orig. art. has: 4 figures.

SUB CODE: 09/

SUBM DATE: 00/

ORIG REF: 002/

OTH REF: 000

Card 2/2

SM

L 15807-66 EWT(1) GW

ACC NR: AT5028740

SOURCE CODE: UR/3175/65/000/023/0176/0179

AUTHOR: Malyarevskiy, K. V.; Rybin, V. K.

ORG: none

46
B+1

TITLE: Use of the infinite line method for measuring the amplitude of an electromagnetic field

SOURCE: USSR. Gosudarstvennyy geologicheskii komitet. Osoboye konstruktorskoye byuro. Geofizicheskaya apparatura, no. 23, 1965, 176-179

TOPIC TAGS: electromagnetic field, interference reduction, electronic measurement

ABSTRACT: The author discusses filtering and mutual correlation as means for reducing interference when measuring the amplitude of an electromagnetic field by the infinite line method. The units used for filtering are the LC-tank in the pickup and a tuned voltage amplifier with a double bridged T-network in the negative feedback circuit. A phase sensitive element is used for correlation detection of the module for the signal being measured. The resistance of the correlational device to interference is in direct relationship to the dynamic qualities of the system.

Card 1/2

MALYAREVSKIY, K.V.; RYBIN, V.K.; SAVEL'YEV, N.N.

Device for ground electric prospecting using alternating current.
Geofiz. prib. no. 20:104-114 '64. (NIRA 1839)

MALYAREVSKIY, K.V.; RYBIN, V.K.

Preamplifier for the measurement of variable electrostatic fields
in the audiofrequency range. Geofiz. prib. no. 20-24-76 '64.
1. Zapadnyy geofizicheskiy trest. (MIRA 18:9)

MALYAREVSKIY, Boris Ivanovich; MILLER, L.V., nauchnyy red.; GAPEYEVA, T.,
red.

[Electric equipment of industrial enterprises; training manual]
Elektrooborudovanie prompredpriyatii; uchebnoe posobie. Leningrad.
Severo-Zapadnyi zaochnyi politekhn.in-t. Sec.3. [Electric equipment
of blast furnace rooms] Elektrooborudovanie metallurgicheskikh
zavodov. No.1. [Electric equipment of blast furnace rooms] 1960.
88 p. (MIRA 13:11)

(Blast furnaces--Electric equipment)

MALYAREVSKIY, B.I.

Graphic method for designing the power of an asynchronous motor of
a converter set which supplies reversible electric apparatus. Izv.
vys. ucheb. zav.; elektromekh. 1 no.5:93-97 '58. (MIRA 11:8)
(Electric motors, Induction)

MALYAREVSKIY, Boris Ivanovich; FEDOSEYEV, Lev Mitrofanovich; ZUDKIN, Sergey
Matveyevich; FIBIKH, V.V., redaktor; VALOV, N.A., redaktor; BEKKER, O.G.,
tekhnicheskii redaktor

[Electrical equipment for wire and sheet-metal product plants]
Elektrooborudovaniye metiznykh zavodov. Moskva Gos. nauchno-tekhnicheskoe izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955.
270 p. (MLRA 8:10)
(Electric machinery) (Hardware)

MALYAREVSKIY, A.A.; FILATOV, Yu.M. (Moskva)

Differential diagnosis of tumors of the Tuberculum sellae turcicae
and optochiasmic arachnoiditis. Vop.neirokhir. 24 no.5:25-29
S*O '60. (MIRA 13:11)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni
institut neyrokhirurgii imeni akad. N.N. Burdenko AMN SSSR.
(PITUITARY FOSSA--TUMORS) (MENINGITIS)

MALYAREVSKIY, A.A.

Clinical aspects of the cystic forms of optochiasmatic arachnitis [with summary in English]. Vop.neirokhir. 22 no.3:37-42 My-Je '58(MIRA 11:8)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni institut neurokhirurgii imeni akad. M.N. Burdenko AMN SSSR.
(ARACHNOID, dis.
opto-chiasmatic arachnitis, cystic forms (Rus))

TSEYEB, Ya.Ya.; ROLL, Ya.V.[deceased]; ZEROV, K.K.; VLADIMIROVA, K.S.
[Vladymyrova, K.S.]; OLIVARI, G.A.[Olivari, H.A.]; GURVICH,
V.V.; BIRGER, T.I.[Birher, T.I.]; MALYAREVSKAYA, O.Ya.
[Maliarevs'ka, O.IA.]; CHORNOGORENKO, M.I.[Chernohorenko,
M.I.]; LITVINOVA, M.O.[Lytvynova, M.O.]; ANDRIYCHUK, M.D.,
red.

[Kakhovka Reservoir; a hydrobiological outline] Kakhovs'ke
vodoimyshe; hidrobiologichnyi narys. Kyiv, Naukova dumka,
1964. 303 p. (MIRA 17:8)

1. Akademiya nauk URSR, Kiev. Instytut hidrobiologii.

MALYAREVSKAYA, M.E.

✓ The effect of glucose and of insulin on gas metabolism in
hypertensive patients undergoing oxygen therapy. D. P.
Chebo and M. B. Malyarevskaya. *Vruchebnoe Delo*
1954, 1, 23-6; *Referat. Zhur., Biol.* 1955, No. 1780.
Forty-eight hypertensive patients in stages 1 and 2 of the
disease with symptoms of myocardiosclerosis and coronary
insufficiency were subjected to O₂ treatment in combination
with glucose and glucose plus insulin administration. Under
the O₂ tent patients in stage 2 with a more clearly pro-
nounced O₂ deficiency consumed more O₂ than patients in
stage 1. The amount of O₂ consumed from O₂-rich air
mixts. following glucose administration is enhanced particu-
larly in stage 2 of the disease. The increase in O₂ con-
sumption from the O₂-air mixts. is not as great following the
injection of glucose-insulin.

B. S. Levine

①

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

MALYAREVS'KAYA, M. G.

MALYAREVS'KAYA, M.O.

Semimicrospectrophotometric method for detecting tryptophan in
blood. Medych.zhur. 22 no.2:88-90 '52. (MIRA 11:2)

1. Z Institutu klinichnoi fiziologii im. akad. O.O.Bogomol'tsya AN
URSR (direktor - diysniy chlen AN URSRS R.Ye.Kavets'kiy)
(BLOOD--ANALYSIS AND CHEMISTRY) (TRYPTOPHAN)

BIRGER, T.I. [Birher, T.I.]; MALYAREVSKAYA, A.Ya. [Maliarevs'ka, O.IA.]

Changes in the biochemical composition of some invertebrate
species of the lower Dnisper Valley. Pratsi Inst. hidrobiol.
AN URSR no.39:111-117 '63. (MIRA 17:12)

SAIYAREVSKAYA, A.Ya.; BURGER, T.I.

Gas exchange in roach and bream at early stages of their
development. *Gidrobiol.zhur.* 1 no.5:50-53 1965.

(R/P: 13-11)

1. Institut gidrobiologii AN UkrSSR, Kiev.

MALYAREVSKAYA, A.Ya.; DZYUBAN, A.D.

Biochemical indices, blood picture, and indices of internal organs
in young-of-the-year carp during the period of preparation for
wintering. Vop. ekol. 5:125-126 '62. (MIRA 16:6)

1. Institut gidrobiologii AN UkrSSR, Kiyev.
(Carp) (Fishes--Physiology)

MALYAREVSKAYA, A.Ya.; BIRGER, T.I.

Some new types of natural feeds for young-of-the-year pike perch
and yearling roach. Vop. ekol. 5:123-125 '62. (MIRA 16:6)

1. Institut gidrobiologii AN UkrSSR, Kiyev.
(Pike perch) (Roach (Fish)) (Fishes--Food)

MALYAREVSKAYA, Aleksandra Yakovlevna [Maliareva'ka, O.IA.]; ROLL, Ya.V.,
otv.red.; BOGDANOVA, T.L. [Bohdanova, T.L.], red.izd-va; LISOVETS,
O.M. [Lysovets', O.M.], tekhn.red. /

[Nitrogen metabolism in the carp] Azotystyi obmin u koropa.
Kyiv, Vyd-vo Akad.nauk URSR, 1959. 86 p. (MIRA 13:8)

1. Chlen-korrespondent AN USSR (for Roll).
(Carp) (Nitrogen metabolism)

MALYAREVSKAYA, A.Ya., kand.biol.nauk

Nitrogen metabolism and its variations as related to the growing
conditions of carp. Trudy sov.Ikht.kom. no.8:205-213 ' 58.
(MIRA 11:11)

1. Institut gidrobiologii AN USSR.
(Nitrogen metabolism) (Carp)

BODROVA, N.V.; KRAYUKHIN, B.V.; MALYAREVSKAYA, A.Ya.

Importance of preparing artificial feed for its assimilation by
young carp. Vop.ikht. no.6:149-155 '56. (MLRA 9:8)

1. Institut gidrobiologii Akademii nauk Ukrainской SSR.
(Carp) (Fishes--Food)

MALYAREVSKAYA, A. YA.

MALYAREVSKAYA, A. YA. - "Nitrous Metabolism in Carp and its Change with Growth and with Breeding Conditions." Dnepropetrovsk State U, Dnepropetrovsk, 1955 (Dissertation for The Degree of Candidate of Biological Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

DEVLIKAMOV, V.V.; VYGODSKIY, Y.M.; MALYAREVICH, V.S.

Determining the level of mercury in the steel tubes of a
differential manometer at high static pressures. Neftapros.
delo no.6:28-29 '65. (MIRA 18:10)

1. Ufimskiy neftyanoy institut.

MALYAREVICH, V.S.

Organization of geodetic and surveying operations in the oil-field
industry. Geod. 1 kart. no.2:72-73 F '63. (MIRA 16:3)
(Prospecting)

MALYARETS, P.V., kand. veterin. nauk; ARMASHOVA, T.D., mlarskiy nauchnyy
soobshchik

Immunological reactivity of swine during infectious atrophic
rhinitis. Veterinarika 41 no.1:18-20 Ja '65.

(MIRA 1965)

1. Poltavskaya nauchno-issledovatel'skaya veterinarnaya stantsiya.

U SR/Diseases of Farm Animals. Diseases caused by Viruses and
Mickettsiae.

Orig Jour : Ref Zhur-Biol., No 1, 1958, 2711

Author : Oleynik, N. K., Yazykova K. S., Pirenko P. A.,
Malyarova S. V.

Institution : Ukrainian Institute of Experimental Veterinary
Sciences

Title : Testing the Laboratory Diagnostic Method of In-
fectious Anemia in Horses, Worked Out by the Uk-
rainian Institute of Experimental Veterinary
Sciences.

Orig Pub : Nauch. tr. Ukr. in-sta eksperim. vet., 1956, 23,
23-38

Abstract : Results of tests carried out on 281 horses when
investigating infectious anemia, have confirmed the
data obtained previously on the effectiveness of
the given method, established by means of individu-
al and group biological tests on pigeons.

Card 1/1

MALYARETS, I.

(MIRA 11:10)

~~THE "D-4"~~ IUn.tekh. 3 no.9:32 S '58.
(Bicycles and tricycles--Engines)

PAVLOVA, V.V.; MALYARENKO, Yu.Ye.

Effect of the vagus nerve on the cardiac function in novocaini-
zing the thoracic wall. Vrach. delo no.1:56-57 Ja'64
(MIRA 17:3)

1. Nauchnyy rukovoditel' - zav. kafedroy normal'nykh fiziologii
Rostovskogo-na-Donu meditsinskogo instituta, zasluzhennyy deyatel'
nauki Uzbekskoy SSR, prof. N.V. Danilov.

MALYARENKO, Ye. N.

32738. Deystviye na krovyanoye davleniye i pul'sa prolongirovannogo zfeprina.
Sbornik nauch. trudov (kirgiz. gos. med. in-t.), T. IV, 1949, s. 59-62

SO: Letopis' Zhurnal'nykh Statey, Vol. 44, Moskva, 1949

FOMIN, N.F., sanitarnyy vrach; MALYARENKO, Ye.G., khimik

Contamination of reception rooms of children's nurseries with
vapors of metallic mercury. Gig. i san. 24 no. 11:74-76 N '59.
(MIRA 13:4)

1. Iz Omskoy dorozhnoy sanitarno-epidemiologicheskoy stantsii.
(AIR POLLUTION)
(MERCURY eff. inj.)

NEVSTRUYEVA, R.I., kand.sel'skokhozyaystvennykh nauk; MALYARENKO, S.G.

Obtaining two crops of musc sage. Agrobiologiya no.2:305-306
Mr-Apr '61. (MIRA 14:3)

1. Gosudarstvennyy Nikitskiy botanicheskiy sad, Yalta.
(Sage)

MALYARENKO, S.G.

Effect of the time of storage of lavender cuttings on their root-
ing. Masl.-zhir.prom. 25- no.12:25 '59. (MIRA 13:4)

1. Gosudarstvennyy Nikitskiy botanicheskiy sad.
(Lavender (Plant))

MALYARENKO, G.P.

Creation and use of the public consumption funds in the textile industry
of the Ukrainian S.S.R. Izv.vys.ucheb.zav.; tekhn.tekhn.prom. no.5.1964
132 '64. (MIRA 18:1)

1. Rostovskiyy finansovo-ekonomicheskii institut.

1. 26166-66

ACC NR, AP6006432

landing gear is compared with the calculated distance (see Fig. 2).

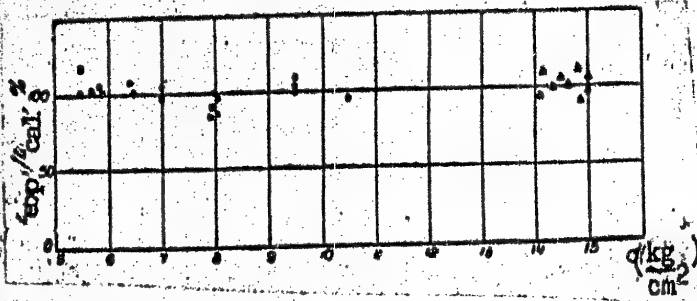


Fig. 2. Comparison of experimental and calculated take-off distances as functions of ground strength.

Orig. art. has: 10 graphs and 29 formulas.

SUB CODE: 01/

SUBM DATE: none/

ORIG REF: 001

Card 3/3 CC

26166-66
ACC NR: AP6006432

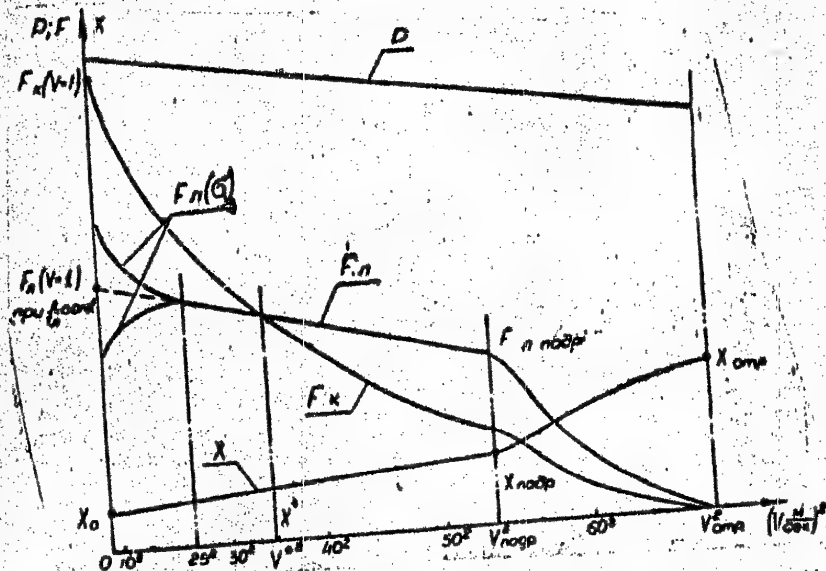


Fig. 1. $P(V^2)$, $X(V^2)$, and $F(V^2)$.

to $V = 25$ m/sec. Calculation of the take-off distance by the final formula

$$L_p = \frac{a}{2g} \frac{P_{0.7V} - u_n^2 b F_x(V-1) - u_n d f_n (0 - Y_0) - X_0 - a X_{V_0}}{V^2_{t=0}}$$

is found to give an error of not over +3% as compared with the method of numerical integration. The experimental take-off distance of an An-10 aircraft with wheel

Card 2/3/

L 26166-66 EWP(m)/EWT(d)/EWT(1)/EWT(m)/EWP(h)/EWA(1)

ACC NR: AP6006432

SOURCE CODE: UR/0420/65/000/003/0020/0029

AUTHORS: Malyarenko, G. A.; Glovatskaya, N. D.

ORG: none

TITLE: On calculating the take-off distance for an aircraftSOURCE: Samoletostroyeniye i tekhnika vozdushnogo flota, no. 3, 1965, 20-29TOPIC TAGS: aircraft, aircraft landing gear, aerodynamic lift, aerodynamic drag, integral equation, drag coefficient/ An-10 aircraft

ABSTRACT: A precise formula for determining the take-off distance of an aircraft with a complex landing gear is derived. The well-known integral formula is replaced by the expression:

$$L_p = \frac{G}{2g} \frac{V_{t-o}^2}{P^{av} - F^{av} - X^{av}}$$

where P^{av} , F^{av} , and X^{av} are the average values of the thrust, resistance, and drag from start to the take-off speed; G is the take-off weight of the aircraft; V_{t-o} is the take-off speed; and g is the acceleration due to gravity. Typical functions $P(V^2)$, $X(V^2)$, and $F(V^2)$ are given as an illustration (see Fig. 1). Experiments showed that the resistance to motion F is a function of the ground force only up

Card 1/3

MALYARENKO, D.P.

Studying the requests for original information for scientific
research and design. NTI no.9:3-5 '64.

(MIRA 18:2)

MALYARENKO, D.P.; SVETLOVSKAYA, V.I.

Scientific technical information and propaganda at the
State Institute for Planning and Research on Electric
Equipment for Mines. NTI no.1:11-13 '63. (MIRA 16:8)

MALYARENKO, A.V.; KISHINEV, R. 1964; KISHINEV, R. 1964.

Use of the M60-50 in the Marine Corps of the 2nd
Batt. 1st Div. (2nd. no. 3128) and 165. (MIRA 18:9)

MALYARCHUK, Yu.T.

Our tasks. Kons.1 ov.prom 17 no.12:4-5 D '62.

(MIRA 15:12)

1. Cherkasskiy konservnyy kombinat.
(Cherkassy—Canning industry)

MALYARCHUK, Yu.T.

Automation of the processing of tomato products. Khar.prom.
no.3:19-20 JI-S '62. (MIRA 15:8)
(Canning and preserving--Equipment and supplies)
(Automatic control)

SOV/137-58-12-24424

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 12, p 68 (USSR)

AUTHORS: Lokshin, Ya. Yu., Gluz, D. S., Malyarchuk, Yu. T.

TITLE: Using Thin Cold-rolled Hot-plated Tinplate in the Cannery Industry
(Primeneniye tonkoy kholodnokatanoy zhesti goryachego luzheniya v konservnoy promyshlennosti)

PERIODICAL: Konservn. i ovoshchesush. prom-st', 1958, Nr 5, pp 19-21

ABSTRACT: The results of industrial tests of 0.18-0.20 m cold-rolled tinplate in making cans and in stamping SKO covers for sealing glass containers are set forth. These tests demonstrate the possibility of utilizing thin cold-rolled plate for making cans of up to 0.5 liter capacity for meat, dairy, vegetable, and fish preserves, as well as the possibility of using SKO-83 covers of more pronounced corrugation for sealing glass containers. The use of thin tinplate in the cannery industry would permit a saving of 20 or 25% in metal.

M. Z.

Card 1/1

MALYARCHUK, Yu. T.

MALYARCHUK, Yu. T.

~~Changing the construction of digesters.~~ Kons. i ov. prot. 12 no. 5:
4-5 by '57. (S. 13:2)

1. Porechskiy konserunnyy zavod.
(Autoclaves)

MALYARCHUK, V.S., kapitan 3 ranga

Combat training of submarine crews during the cruise. Mor.sbor.
44 no.3143-46 Mr '61. (MIRA 14:4)
(Submarine warfare---Study and teaching)

MALYARCHUK, L.N.

24961 Malyarchuk, L.N. Tekhnicheskoye Normirovaniye i Povysheniye Proisvoditel'nosti Truda. (Kamskiy Kombinat) Bumazh. Prom-st', 1949, No 3 s 26-30

So: Letopis' No 33, 1949

SLUTSKIY, S.S., kand.ekonom.nauk; PILIPCHUK, A.I., nauchnyy sotrudnik;
 ANTONOV, M.F., kand.tekhn.nauk; MALYARCHUK, G.S., kand.tekhn.
 nauk. Prinimali uchastiye: MEL'NIKOV, A.M., inzh.; ARSEN'YEVA,
 A.I., inzh.; TEREKHOVA, Z.S., tekhnik; SIDOROVA, L.N., tekhnik;
 ISSERLIS, I.I., tekhnik; KRAVCHENKO, A.I., inzh. POSTNIKOV,
 S.A., inzh., red.; ZHULIN, V.K., otv. za vypusk; POKHLEBKINA,
 M.I., tekhn.red.

[Efficient distribution of and organization of work at cargo
 transfer points] Ratsional'noe razmeshchenie i organizatsiya
 raboty punktov perevalki. Pod obshchey red. S.S.Slutskego.
 Moskva, 1960. 127 p. (MIRA 14:2)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut
 ekonomiki i ekspluatatsii vodnogo transporta. 2. TSentral'nyy
 nauchno-issledovatel'skiy institut ekonomiki i ekspluatatsii
 vodnogo transporta (for Slutskiy, Pilipchuk, Terekhova, Sidorova,
 Isserlis). 3. Institut kompleksnykh transportnykh problem AN SSSR
 (for Antonov, Malyarchuk, Kravchenko).
 (Cargo handling)

SLUTSKIY, S.S., kand. ekon. nauk; MALYARCHUK, G.S., kand. ekon. nauk.

Lower the costs of leading and unloading operations at transshipment
ports. Rech. transp. 17 no.12:12-16 D '58. (MIRA 12:1)
(Loading and unloading--Costs)
(Harbors)

MALYARCHUK, A.F.

MALYARCHUK, A.F., inzh.

Causes of damages in boiler tubes and waterwalls of steam boilers.
Bezop. truda v prom. 2 no.1:14-16 Ja '58. (MIRA 11:1)
(Boilers)

MALYARCHUK, A. F.

MALYARCHUK, A.F., inzhener.

Eliminating the shortcomings in DKV boiler design. Bezop.truda
v prom. 1 no.5:22-24 '57. (MIRA 10:7)

(Boilers--Design)

KAPLINSKIY, M.B., kand.med.nauk; BURGANSKIY, B.Kh., kand.med.nauk;
KORTEV, A.I., kand.med.nauk; MALIARCHIKOVA, G.S.; ANAN'YEV, I.T.;
GUSEV, N.P.; KARASEV, A.G.

Listerellosis infection in the Urals. Sbor.rab.Sverd.med.inst.
no.32:73-78 '61. (MIRA 16:2)

1. Iz Okruzhnogo Sanitarno-epidemiologicheskogo otrayada
(nachal'nik A.S.Mats) i kafedry infektsionnykh bolezney (zav.
kafedroy - dotsent A.I.Kortev) Sverdlovskogo meditsinskogo
instituta.

(URAL MOUNTAIN REGION--LISTERELLOSIS)

ITALYARCHENOV, A.D.

lubrication of the operation of household refrigerator. 1. 1965.
42 no.2:62-63. Minsk '65. MIRA 1965.

1. Minskly zavod elektromekhaniki.

MALYARCHIKOV, A.D., inzh.

Using balancers in the production of compressors for home refrigerators. Khol. tekhn. 38 no.4:39-42 J1-Ag '61. (MIRA 15:1)
(Refrigerators) (Balancing of machinery) (Compressors)

Malyarchik, Yu. T.

MALYARCHIK, Yu. T.

Engineering innovations at the oldest plant. Kons. 1 ov. prom. 12
no. 12:1-6 D '57. (MIRA 11:1)

1. Porechskiy konservnyy zavod.
(Porech'ye-Rybnoye--Canning and preserving)

KUZNETSOV, F.F.; MALYAR, S.P.; LIBER, V.P.

Detachable equipment for ditch digging machinery to be used in
working frozen ground. Rats. 1 izobr.predl. v stroi. no.125:18-23
'55. (Excavating machinery) (Frozen ground) (MLRA 9:7)

MALYAR, S.M.; FRIDENTAL, S.Kh.; KATSNEL'SON, Ye.A.; KUZNETSOV, F.F.;
LIBER, V.P.; DEGTYAREV, I.T.

Fork lift with hydraulic control for the T-107 tractor loader.
Rats. i izobr.predl. v stroi. no.89:6-9 '54, (MLRA 9:6)
(Lumbering--Machinery) (Loading and unloading)

CHERNOMORDIK, A.B.; KOVALENKO, A.D.; SMIRNOVA, T.V.; PONOMAREVA, V.G.;
MAL'YAR, O.Kh.; VINOGRADOVA, V.M.

Sensitivity of Proteus to some antibiotic and nitrofurantoin preparation.
Antibiotiki 5 no.1:81-83 Ja-F '60. (MIRA 13:7)

1. Dnepropetrovskiy nauchno-issledovatel'skiy institut epidemiologii,
mikrobiologii i gigiyeny imeni N.F. Gamalei.
(PROTEUS) (ANTIBIOTICS) (FURAN)

MALYAR, I.K. (selo Savintsi, Balakliyevskogo rayona, Khar'kovskoy oblasti)

How to construct wooden floors without basements. Sil'.bud.
10 no.5:17 My '60. (MIRA 13:7)
(Floors)

MALYAR, D. V.

Maugol'nikov, B. I., and Stryanikov, K. A. and Malyar, D. V. - "The ignition of methane mixtures by condenser spark," Izvestiya Dnepropetr. gornogo in-ta, Vol. XIX, 1948, p. 205-19

SO: U-3600, 10 July 53, (Letonia 'Zhurnal 'Sovetskoye, No.6, 1953).

24

MALYAR, D.V.

OK

A study on the ignition of a mixture of air and methane by an incandescent wire. Influence of an electric field on the period of induction. A. B. Malinovsky and D. V. Malyar. *J. Tech. Phys.* (U.S.S.R.) 5, 1250-70 (1935). A 20% acetylene-air mixt. burns explosively on a Ni 1 mm. wire at 400° and 10% methane-air mixt. at 750° with induction periods before explosion of 5-10 sec. When the wire is negatively charged the gas burns more rapidly while a pos. charge increases the induction period or even prevents explosion altogether. During the catalytic combustion the wire acquires a neg. charge. P. H. R.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

TASHPULATOV, A.A., dotsent; MALYAR, A.Kh., dotsent

Secretory and motor functions of the stomach in cholecystitis.
Nauch. trudy SamMI 23:89 '69 (MIRA 17:83)

1. Iz kliniki fakul'tetskoy terapii Samarkandskogo meditsinskogo
instituta.

USSR / Human and Animal Morphology (Normal and Patho- S-4
logical). Nervous System.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79083.

Author : Malyar, A. Kh.
Inst : Not given.
Title : On the Condition of the Internal Organs During
Toxic Encephalitis.

Orig Pub: Sb. nauchn. tr. Samarkandsk. med. in-ta, 1955,
10, 27-29.

Abstract: No abstract.

Card 1/1

PHASE I BOOK EXPLOITATION SOV/4350

Sovesheniye po khimii, tekhnologii i primeneniya proizvodnykh piridina i khinolina. Riga, 1957

Khimiya, tekhnologiya i primeneniye proizvodnykh piridina i khinolina; materialy soveshaniya (Khimiya, tekhnologiya i primeneniye proizvodnykh piridina i khinolina. Materialy of the Conference) Riga, Izd-vo AN Latvyskoy SSR, 1950. 299 p. Extra slip inserted. 1,000 copies printed.

Sponsoring Agencies: Akademiya nauk Latvyskoy SSR. Institut khimii, Vsesoyuznoye khimicheskoye obshchestvo.

Ed.: S. Bakhanova; Tech. Ed.: A. Klyavina; Editorial Board: Yu. A. Benkovskiy, Candidate of Chemistry, S. V. Vassil, Candidate of Chemistry (Resp. Ed.), L. P. Zolotarev, Doctor of Chemistry, and M. M. Kalyn.

PURPOSE: This book is intended for organic chemists and chemical engineers.

COVERAGE: The collection contains 33 articles on methods of synthesizing or producing pyridine, quinoline and their derivatives from natural sources. No pyridinates are mentioned. Figures, tables, and references accompany the articles.

TABLE OF CONTENTS:

I. PYRIDINE AND QUINOLINE DERIVATIVES OBTAINED FROM THE THERMAL CRACKING PRODUCTS OF PETS

- Baranovskiy, M. M. (Nizhne-Volzhskiy khimicheskoye obshchestvo). Derivatives of pyridine and quinoline obtained from coal tar. 25
- Davtyan, A. D. (Vostochno-kavkazskiy khimicheskoye obshchestvo). The synthesis of pyridine and quinoline derivatives from the thermal cracking of Cherkasskoye coal. 25
- Kuznetsov, V. I. and A. P. Palyuzhova. (Institut teploenergetiki Akademi nauk USSR (Heat Power Engineering Institute of the Academy of Sciences USSR)). The content of pyridine bases in tars from the thermal decomposition of lignites from the Dnieper Basin. 37
- Pechenova, L. A. and G. Ya. Vinat. (Institut khimii Akademi nauk Latvyskoy SSR (Chemical Institute of the Academy of Sciences Latvyskaya SSR)). Pyridine bases from Sapropelite tar. 43
- Pytkin, M. N., G. D. Galitskiy, and T. I. Gerasimova. (Institut nefti Akademi nauk SSSR (Petroleum Institute of the Academy of Sciences USSR)). Methods of determination and the characteristics of total nitrogen and nitrogens bases in petroleum. 55
- Kotlyuk, V. A. (Institut goruchikh iskopayemym Akademi nauk SSSR (Institute for Mineral Fuels of the Academy of Sciences USSR)). Separation of the β -picoline fraction of tar by the selective extraction method. 69
- Belitskiy, A. and S. Malyanovskiy. (Fizikal'no-khimiya Institut of the Petrokhimicheskoye obshchestvo (Physical Chemistry Institute of the Petrochemical Society)). Physicochemical studies in Pyridine bases from products of the chemical processing of coal. 75

MALYANOVSKIY, S.

ARNOL'DOVA, A.M.; MALYANOVA, N.A.

Work practices at maternal health centers for the prevention
of gynecological diseases. Vop.okh.mat. i det. 7 No.12:
66-68 D^o62. (MIRA 16:7)

(GYNECOLOGY)

ALEKSEYCHIK, N.I.; MARTINOVICH, G.I.; MALYANOVA, G.I.; KUROPATENKO, G.F.

Effect of the Minsk gassed mineral water from the borehole No.2
on the secretory and evacuating function of the stomach and on
diuresis in dogs. Vop. fiziol. chol. i zhiv. no.1:163-167 '60.
(MIRA 14:10)

1. Belorusskiy nauchno-issledovatel'skiy institut nevrologii,
neyrokhirurgii, fizioterapii i kafedra fiziologii cheloveka i
zhivotnykh Belorusskogo gosudarstvennogo universiteta imeni Lenina.
(MINSK—MINERAL WATERS) (STOMACH)
(DIURETICS AND DIURESIS)

Vibration strength of...

S/137/63/000/002/019/034
A006/A101

$P_r(n \geq 5) = 2.3 T_B$. 5. An increase in the amount of electric rivets $> 5 - 6$ does not increase σ_w of the joints and may even entail its reduction. There are 6 references.

[Abstracter's note: Complete translation]

V. Tarisova

Card 3/3

Vibration strength of...

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rivets in joints with 5, 6, 7 and 8 welded spots do almost not operate. 2. The distribution of forces between the electric rivets obeys the laws of static calculation, by taking into account the sharp decrease of the vibration strength of the joint to 50% of the static load on a $2 \cdot 10^6$ cycle basis. A decrease in the vibration strength must be taken into account by a corresponding concentration coefficient. 3. The limit vibration strength increases according to the linear law in joints containing in the longitudinal row up to four electric rivets, inclusive. The fatigue strength of these joints can be calculated for the uniform distribution of forces according to formula $P_r(n \leq 4) = nT_r$ ($n = 1, 2, 3, 4$) where T_r is the shearing force, corresponding to C_w of the joint with one welded spot, P_r is the limit load upon the joint, at which the weld does practically not break down at any number of cycles or according to formula $P_r(n \leq 4) = 0.5nT_B$, where T_B is C_b of the shearing strength of the welded spot, in kg. 4. The limit vibration resistance of joints with 5 and 6 electric rivets is higher than in joints with four electric rivets. The fatigue strength of these joints can be calculated by using formula $P_r(n \geq 5) = fa_k T_v$, where f is the static coefficient; a_k is the coefficient of force concentration or according to formula $P_r(n \geq 5) = D_r T_B$ where $D_r = 2.3$ and $a_k = 1.4$ at $N = 2 \cdot 10^6$ cycles and $r = +0.5$. Then

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AUTHORS: Dorofeyev, A. N., Nikonov, I. P., Malyanov, V. D.

TITLE: Vibration strength of electric-rivet joints depending upon the amount of electric rivets in a longitudinal row

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1963, 17, abstract 2E97 ("Sb. nauchn. tr. Ural'skiy politekhn. in-t", 1961, no. 122, 254 - 267)

TEXT: The authors carried out theoretical and experimental investigations on the operation of resistance-spot-welded and arc-welded electric rivet joints operating under dynamic load. A theoretical analysis is made of the shearing strength of spot-welded joints under static and vibration load, and the vibration strength of spot welds was experimentally investigated depending upon the number of spot welds in a longitudinal row. As a result the following conclusions are drawn : 1. Distribution of forces in electric-rivet welds with a longitudinal row of electric rivet joints under vibration loads is non-uniform, and the extremal electric rivets are considerably overloaded. The central electric

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KARPOV, T.P. [deceased]; MALYANOV, V.A. [deceased]; UGLOVA, E.V.; REUTOV, O.A.

Mechanism of "three-alkyl" isotope exchange of organomercury compounds. Izv.AN SSSR, Ser.khim. no.9:1580-1583 S '64.

(MIRA 17:10)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.

REUTOV, O.A.; KARPOV, T.P. [deceased]; UGLOVA, E.V.; MALYANOV, V.A.

Mechanism of the reaction of isotopic exchange between dialkyl mercury and alkyl mercury halides. Dokl. AN SSSR 134 no.2: 360-363 S '60. (MIRA 13:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
2. Chlen-korrespondent AN SSSR (for Reutov).
(Mercury organic compounds)
(Mercury--Isotopes)